

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	W. Wayne Lutt	Examiner:	Unknown
Serial No.:	10/502,066	Group Art Unit:	1614
Filed:	October 27, 2004	Docket:	14233.18USWO
Title:	USE OF CHOLINESTERASE ANTAGONISTS TO TREAT INSULIN RESISTANCE		



CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 May \_\_\_\_, 2005.

By: \_\_\_\_\_  
Name: \_\_\_\_\_

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**23552**

PATENT TRADEMARK OFFICE

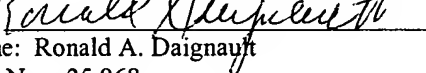
Sir:

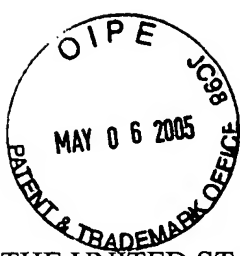
We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Information Disclosure Statement, Form 1449, 16 Reference(s)
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

Merchant & Gould P.C.  
P.O. Box 2903  
Minneapolis, MN 55402-0903  
612.332.5300

By:   
Name: Ronald A. Daignault  
Reg. No.: 25,968  
RAD/BRD/mls



S/N 10/502,066

PATENT

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Name: \_\_\_\_\_

**INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked

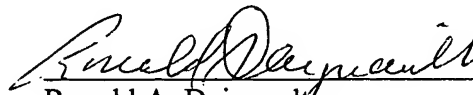
as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
(612) 332-5300

Date: 5/6/2005

  
\_\_\_\_\_  
Ronald A. Daignault  
Reg. No. 25,968  
RDaignault:BRD:mls



<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b>  <b>IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number: 14233.18USWO	Application Number: 10/502,066
	Applicant: W. Wayne Laultt	
	Filing Date: October 27, 2004	Group Art Unit: 1614

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	57-114512	07/16/1982	Japan			X	
	56-115715	09/11/1981	Japan			X	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

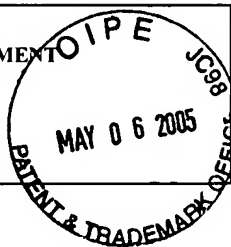
		De Rio et al., (1997) "Cholinergic enhancement by pyridostigmine increases the insulin response to glucose load in obese patients but not in normal subjects," <i>Int'l. J. of Obesity</i> , 21: 1111-1114.
		Gotoh et al., (1989) "Vagally mediated insulin secretion by stimulation of brain cholinergic neurons with neostigmine in bilateral adrenalectomized rats", <i>Brain Research</i> , 493: 97-102.
		Jordon (1958) "Changes in the regulation of blood sugar by the cholinesterase inhibitor neoeserine. I.", <i>Dtsch Z Verdau Stoffwechselk.</i> , Oct;18(4): 183-189.

**23552**

PATENT TRADEMARK OFFICE

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 14233.18USWO	Application Number: 10/502,066
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EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Lutt et al., (1998) "Rapid insulin sensitivity test (RIST)", <i>Can. J. Physiol. Pharmacol.</i> , 76: 1080-1086.
		Matthews et al., (1987) "Noradrenaline Response to Enrophenium (Tensilon) and Its Relation to Other Autonomic Tests in Diabetic Subjects", <i>Diabetes Research</i> , 6: 175-180.
		Sadri et al., (1999) "Blockade of hepatic nitric oxide synthase causes insulin resistance", <i>Am. J. Physiol.</i> 277: G101-G108.
		Szabo et al., (1975) "Neuropharmacological characterization of insulin-sensitive CNS glucoregulator", <i>Am. J. Physiol.</i> 229, No. 3, 663-668.
		Thiele et al., (1957) "Decrease in urinary sugar in diabetes mellitus by vagotonic treatment with neoeserine", <i>Munch Med Wochenschr.</i> , Aug 23;99(34): 1203-1206.
		Xie et al., (1996) "Insulin resistance caused by hepatic cholinergic interruption and reversed by acetylcholine administration", <i>Am. J. Physiol.</i> , 271: E587-E592.
		Xie et al., (1996) "Insulin resistance of skeletal muscle produced by hepatic parasympathetic interruption", <i>Am. J. Physiol.</i> , 270: E858-E863.
		Xie et al., (1996) "Insulin Sensitivity Tested With a Modified Euglycemic Technique in Cats and Rats", <i>Journal of Pharmacological and Toxicological Methods</i> , 35: 77-82.

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